

TYPE V  
DESC: EVFT-2437-S714-GB

# 5L-30 EVFT Illuminator™ Fluorescent Lighting Fixture For Use With Single-ended Lamps



Cl. I, Div. 1 & 2, Group D  
Cl. I, Div. 1 & 2, Groups B,C,D  
(with suffix GB)  
Cl. II, Div. 1, Groups E,F,G  
Cl. III

Sim. Presence  
Wet Locations  
Marine Locations  
Paint Spray  
NEMA 3,3R,4,4X

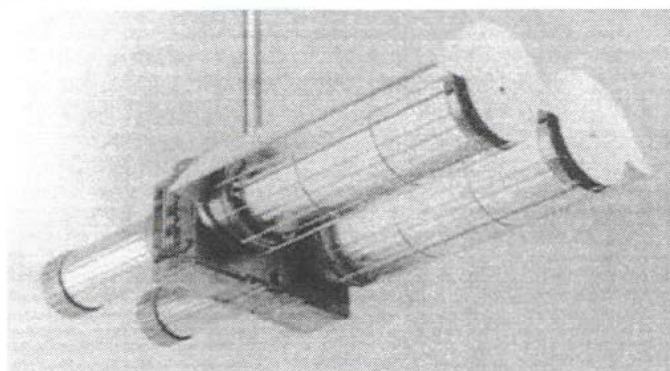
## Application:

Illuminator™ compact fluorescent lighting fixtures are used:

- In areas made hazardous by the presence of flammable gases and vapors, combustible dusts, or easily ignitable fibers and flyings.
- In areas where combustible dusts and flammable gases are present simultaneously.
- In applications involving low mounting heights, restricted mounting space, or where fixture weight must be minimized.
- In areas where corrosion, vibration, moisture, dirt and rough usage are a problem.
- In refineries, chemical and petrochemical facilities, grain processing, handling and storage facilities, manufacturing plants, waste water treatment facilities, airline and mass transit maintenance areas, paint spray facilities, breweries, pharmaceutical plants and other areas where safe, reliable hazardous area lighting is required in a compact, cool operating and efficient light source.

## Features:

- Efficient fluorescent light source available up to 156 watts.
- Adjustable right and left asymmetrical reflectors provide excellent light "aimability" - ideal for task oriented lighting.
- Compact, light weight and low profile design allows easy installation and broad industrial application.
- Cast copper-free aluminum with epoxy powder finish (less than 0.4 of 1% copper) provides excellent resistance to corrosion.
- Versatile fixture housing provides choice of pendant, wall or ceiling mount.
- Suitable for paint spray areas. Linear light source provides excellent color rendition for paint spray tasks. Easy to install, disposable, clear tube wrap helps maintain maximum light output during painting operations.
- Threaded construction, factory wiring and sealing help minimize installation time. No external seals are required.†
- Fixtures are used with two or four type "BIA", "PL" #, or "Dulux L" † single-ended fluorescent lamps.
- Optional stainless steel guard provides extra protection for lamps and lamp tube.
- Optional clear polycarbonate tube provides 360° protection for lamps and lamp tube; ideal for maintenance pit and pharmaceutical applications.
- Grounding connection included for safety.
- Available for 120 or 277 VAC.
- Standard electronic ballast.



4 lamp with stainless steel wire guard and adjustable reflectors

## Certifications and Compliances:

- Compliances:
- NEC: Class I, Group D and Class I, Groups B, C, D (with suffix CEC: GB)  
Class II, Groups E, F, G  
Class III
  - NEC: Simultaneous Presence  
Paint Spray Suitability
  - UL Standards:  
844 - Hazardous (Classified) Locations  
595 - Marine Locations  
1570 - Wet Locations
  - CSA Standard: C22.2 No. 137

## Standard Materials:

- Center and ballast housings, end caps - copper-free aluminum
- Lamp tube - heat resistant glass.
- Guards - stainless steel or clear polycarbonate material.
- Reflectors - aluminum

## Standard Finishes:

- Center and ballast housings, end caps, guards - natural
- Reflectors - white epoxy finish

## Electrical Ratings:

- Input voltage - 120 or 277 VAC, 60Hz
- Wattages - 78 - 2-lamp fixture  
156 - 4-lamp fixture

## Options:

Suffix to be added  
to Catalog Number

- Fused to protect circuit under abnormal conditions (not available on CSA certified fixtures) ..... S658
- Fixture supplied with lamps ..... S714
- Class I, Groups B and C suitability ..... GB (Pendant mount only!)

## Fixture Weights (lbs.):

- Illuminator - 2 lamp with guard ..... 19.5
- Illuminator - 4 lamp with guards ..... 36.5
- RAL1, RAR1 reflectors (each) ..... 3.0
- Deduct for fixture without P51 Guard:  
1 lb. for 2 lamp  
2 lbs. for 4 lamp

## Temperature Performance Data:

Fixture Type	Minimum Operating Temp.	Maximum Ambient Temp.	Class I, Division 1 Class II, Division 1 Simultaneous Presence	Supply Wire
2 and 4 Lamp	10°C (50°F)	40°C (104°F)	T4A	75°C

\* BIA is a trademark of the General Electric Company.

† PL is a trademark of Philips Lighting Co.

† Dulux L is a trademark of OSRAM Corp.